

Estimated Total Mortality Impacts Updated with 2005 OY levels - April 2006 Council Meeting

5/25/2006 11:52

Fishery	Bocaccio a/	Canary	Cowcod	Dkbl	POP	Widow	Yelloweye
Limited Entry Trawl- Non-whiting	46.6	9.5	2.7	135.9	61.0	1.0	0.4
Limited Entry Trawl- Whiting							
At-sea whiting motherships							0.0
At-sea whiting cat-proc		3.3		16.4	2.1	155.8	0.0
Shoreside whiting							0.0
Tribal whiting		0.6		0.0	0.0	1.9	0.0
Tribal							
Midwater Trawl		1.8		0.0	0.0	40.0	0.0
Bottom Trawl		0.8		0.0	3.2	0.0	0.0
Troll		0.5		0.0	0.0		0.0
Fixed gear		0.3		0.0	0.0	0.0	0.8
Limited Entry Fixed Gear	13.4	1.2	0.1	1.3	0.4	0.5	2.9
Open Access: Directed Groundfish	10.6	3.0	0.1	0.2	0.1	0.1	3.0
Open Access: Incidental Groundfish							
CA Halibut	0.1	0.1		0.0	0.0		
CA Gillnet b/	0.5			0.0	0.0	0.0	
CA Sheephead b/				0.0	0.0	0.0	0.0
CPS- wetfish b/	0.3						
CPS- squid c/							
Dungeness crab b/	0.0		0.0	0.0	0.0		
HMS b/		0.0	0.0	0.0			
Pacific Halibut b/	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pink shrimp	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Ridgeback prawn	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Salmon troll	0.2	1.6	0.0	0.0	0.0	0.3	0.2
Sea Cucumber	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spot Prawn (trap)							
Recreational Groundfish d/							
WA		6.8					9.3
OR						1.6	
CA	37.3	2.0	0.4			1.6	0.9
Research: Includes NMFS trawl shelf-slope surveys, the IPHC halibut survey, and expected impacts from SRPs and LOAs.							
	1.7	2.3	0.1	2.1	1.8	1.1	0.6
Non-EFP Total	110.9	33.9	3.4	156.0	68.6	204.0	18.3
EFPs e/							
EFP Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	110.9	33.9	3.4	156.0	68.6	204.0	18.3
2005 OY	307	47.0	4.2	200	447	285	26
Difference	196.1	13.1	0.8	44.1	378.4	81.1	7.7
Percent of OY	36.1%	72.1%	81.0%	78.0%	15.3%	71.6%	70.3%
Key	= either not applicable; trace amount (<0.01 mt); or not reported in						

a/ South of 40°10' N. lat.

b/ Mortality estimates are not hard numbers; based on the GMT's best professional judgement.

c/ Bycatch amounts by species unavailable, but bocaccio occurred in 0.1% of all port samples and other rockfish in another 0.1% of all port samples (and squid fisheries usually land their whole catch). In 2001, out of 84,000 mt total landings 1 mt was gr

d/ Values for yelloweye in California represent specified harvest guidelines.

e/ Values are proposed EFP bycatch caps, not estimates of total mortality. The EFP is terminated inseason if the cap is projected

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Fishery	Bocaccio a/	Canary	Cowcod	Dkbl	POP	Widow	Yelloweye
Limited Entry Trawl- Non-whiting	47.4	7.8	2.7	160.3	63.3	1.0	0.3
Limited Entry Trawl- Whiting							
At-sea whiting motherships		4.7		4.7	1.0	200.0	0.0
At-sea whiting cat-proc				6.3	2.9		0.0
Shoreside whiting				5.2	1.8		0.0
Tribal whiting		1.6		0.0	0.6	6.1	0.0
Tribal							
Midwater Trawl		1.8		0.0	0.0	40.0	0.0
Bottom Trawl		0.8		0.0	3.7	0.0	0.0
Troll		0.5		0.0	0.0		0.0
Fixed gear		0.3		0.0	0.0	0.0	2.3
Limited Entry Fixed Gear	13.4	1.2	0.1	1.3	0.4	0.5	2.9
Open Access: Directed Groundfish	10.6	3.0	0.1	0.2	0.1	0.1	3.0
Open Access: Incidental Groundfish							
CA Halibut	0.1	0.1		0.0	0.0		
CA Gillnet b/	0.5			0.0	0.0	0.0	
CA Sheephead b/				0.0	0.0	0.0	0.0
CPS- wetfish b/	0.3						
CPS- squid c/							
Dungeness crab b/	0.0		0.0	0.0	0.0		
HMS b/		0.0	0.0	0.0			
Pacific Halibut b/	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pink shrimp	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Ridgeback prawn	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Salmon troll	0.2	1.6	0.0	0.0	0.0	0.3	0.2
Sea Cucumber	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spot Prawn (trap)							
Recreational Groundfish d/							
WA		8.5					6.7
OR						1.4	
CA	98.0	9.3	0.4			8.0	3.7
Research: Includes NMFS trawl shelf-slope surveys, the IPHC halibut survey, and expected impacts from SRPs and LOAs.							
	2.0	3.0	0.1	3.8	3.6	0.9	2.0
Non-EFP Total	172.7	44.3	3.4	181.9	77.4	258.3	21.3
EFPs e/							
CA early season whiting S. of 40°10'	0.3	0.1	0.0	0.2	0.0	0.4	0.0
EFP Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	172.7	44.3	3.4	181.9	77.4	258.3	21.3
2006 OY	309	47.0	4.2	200	447	289	27
Difference	136.3	2.7	0.8	18.2	369.6	30.7	5.7
Percent of OY	55.9%	94.2%	81.0%	90.9%	17.3%	89.4%	78.8%
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d/ Values for yelloweye in California represent specified harvest guidelines.

e/ Values are proposed EFP bycatch caps, not estimates of total mortality. The EFP is terminated inseason if the cap is projected to be attained early.

Action Alternative 1: 2007-2008 Estimated Total Mortality: f/
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Fishery	Bocaccio a/	Canary	Cowcod	Dkbl	POP	Widow	Yelloweye
Limited Entry Trawl- Non-whiting	9.1	3.7	0.2	66.7	32.4	0.1	0.1
Limited Entry Trawl- Whiting							0
At-sea whiting motherships		1.8		2.5	0.5	15.3	0.0
At-sea whiting cat-proc		0.4		3.3	1.6	26.5	0.0
Shoreside whiting		0.7		2.8	0.9	22.6	0.0
Tribal whiting		1.6		0.0	0.6	6.1	0.0
Tribal							
Midwater Trawl		1.8		0.0	0.0	40.0	0.0
Bottom Trawl		0.8		0.0	3.7	0.0	0.0
Troll		0.5		0.0	0.0		0.0
Fixed gear		0.3		0.0	0.0	0.0	2.3
Limited Entry Fixed Gear							
Sablefish	0.2	0.1	0.1	1.0	0.2	0.0	0.4
Non-Sablefish	5.2	0.0		0.4	0.4	0.5	0.2
Open Access: Directed Groundfish			0.1				
Sablefish DTL	0.0	0.0		0.2	0.1	0.0	0.1
N 40 10 Nearshore	0.0	1.0		0.0	0.0	0.1	0.8
S 40 10 Nearshore	0.0			0.0	0.0		
Other	4.1	0.0		0.0	0.0	0.0	0.0
Open Access: Incidental Groundfish							
CA Halibut	0.1	0.1		0.0	0.0		
CA Gillnet b/	0.5			0.0	0.0	0.0	
CA Sheephead b/				0.0	0.0	0.0	0.0
CPS- wetfish b/	0.3						
CPS- squid c/							
Dungeness crab b/	0.0		0.0	0.0	0.0		
HMS b/		0.0	0.0	0.0			
Pacific Halibut b/	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pink shrimp	0.1	0.1	0.0	0.0	0.0	0.1	0.1
Ridgeback prawn	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Salmon troll	0.2	2.0	0.0	0.0	0.0	0.3	0.5
Sea Cucumber	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spot Prawn (trap)							
Recreational Groundfish d/							
WA		0.7					1.5
OR		1.6				0.1	1.6
CA	16.0	4.8	0.0			1.6	1.2
Research: Includes NMFS trawl shelf-slope surveys, the IPHC halibut survey, and expected impacts from SRPs and LOAs.							
	3.0	3.0	0.1	3.8	3.6	3.0	2.0
Non-EFP Total	38.9	25.0	0.5	80.8	44.0	116.3	10.9
EFPs e/							
EFP Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	38.9	25.0	0.5	80.8	44.0	116.3	10.9
Low OY Alt	40	32.0	4.0	130	44	120	12.6
Difference	1.1	7.0	3.5	49.3	0.0	3.8	1.7
Percent of OY	97.3%	78.1%	12.5%	62.1%	100.1%	96.9%	86.6%
Key	= either not applicable; trace amount (<0.01 mt); or not reported in available data						

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d/ Values for yelloweye in California represent specified harvest guidelines.

e/ Values are proposed EFP bycatch caps, not estimates of total mortality. The EFP is terminated inseason if the cap is projected to be attained

f/ The mortality in Incidental groundfish and tribal fisheries were held constant at 2006 scorecard values, with the exception of an increase in mortality of canary and yelloweye in the salmon troll fishery. Research take was adjusted based on April 2006 Council meeting guidance.

Action Alternative 2: 2007-2008 Estimated Total Mortality: f/

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Fishery	Bocaccio a/	Canary	Cowcod	Dkbl	POP	Widow	Y'eye '07	Y'eye '08	
Limited Entry Trawl- Non-whiting	50.5	7.5	2.9	179.6	85.6	1.0	0.2	0.2	
Limited Entry Trawl- Whiting									
At-sea whiting motherships		2.5		3.4	0.7	21.2	0.0	0.0	
At-sea whiting cat-proc		0.5		4.6	2.2	36.8	0.0	0.0	
Shoreside whiting		1.0		3.8	1.3	31.3	0.0	0.0	
Tribal whiting		1.6		0.0	0.6	6.1	0.0	0.0	
Tribal									
Midwater Trawl		1.8		0.0	0.0	40.0	0.0	0.0	
Bottom Trawl		0.8		0.0	3.7	0.0	0.0	0.0	
Troll		0.5		0.0	0.0		0.0	0.0	
Fixed gear		0.3		0.0	0.0	0.0	2.3	2.3	
Limited Entry Fixed Gear									
Sablefish	13.4	0.3	0.1	0.7	0.3	0.0	0.8	0.8	
Non-Sablefish		0.2		0.4	0.4	0.5	0.6	0.6	
Open Access: Directed Groundfish									
Sablefish DTL	0.0	0.1	0.1	0.2	0.1	0.0	0.2	0.2	
N 40 10 Nearshore	0.0	1.5		0.0	0.0	0.1	1.3	1.3	
S 40 10 Nearshore	0.0			0.0	0.0				
Other	10.6	0.0		0.0	0.0	0.0	0.0	0.0	
Limited Entry Fixed Gear									
Open Access: Directed Groundfish									
Open Access: Incidental Groundfish									
CA Halibut	0.1	0.1		0.0	0.0				
CA Gillnet b/	0.5			0.0	0.0	0.0			
CA Sheephead b/				0.0	0.0	0.0	0.0	0.0	
CPS- wetfish b/	0.3								
CPS- squid c/									
Dungeness crab b/	0.0		0.0	0.0	0.0				
HMS b/		0.0	0.0	0.0					
Pacific Halibut b/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pink shrimp	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	
Ridgeback prawn	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Salmon troll	0.2	2.0	0.0	0.0	0.0	0.3	0.5	0.5	
Sea Cucumber	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Spot Prawn (trap)									
Recreational Groundfish d/									
WA		0.8					1.8	1.8	
OR		2.6				0.1	1.9	1.9	
CA	31.7	5.9	0.1			3.2	1.5	1.5	
Research: Includes NMFS trawl shelf-slope surveys, the IPHC halibut survey, and expected impacts from SRPs and LOAs.									
	3.0	3.0	0.1	3.8	3.6	3.0	3.0	3.0	
Non-EFP Total	110.5	33.1	3.3	196.6	98.5	143.7	14.3	14.3	
EFPs e/									
EFP Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	110.5	33.1	3.3	196.6	98.5	143.7	14.3	14.3	
High OY Alt	218	44.0	8.0	229	100	368	23	20	
Difference	107.5	10.9	4.7	32.5	1.5	224.4	8.7	5.7	
Percent of OY	50.7%	75.2%	41.3%	85.8%	98.5%	39.0%	62.0%	71.3%	
Key	= either not applicable; trace amount (<0.01 mt); or not reported in available data								

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Action Alternative 3: 2007-2008 Estimated Total Mortality: f/
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Fishery	Bocaccio a/	Canary	Cowcod	Dkbl	POP	Widow	Y'eye '07	Y'eye '08	
Limited Entry Trawl- Non-whiting	50.5	8.5	2.9	181.1	85.9	1.0	0.2	0.2	
Limited Entry Trawl- Whiting									
At-sea whiting motherships		3.4		4.7	0.9	28.8	0.0	0.0	
At-sea whiting cat-proc		0.7		6.3	2.8	50.0	0.0	0.0	
Shoreside whiting		1.4		5.2	1.7	42.6	0.0	0.0	
Tribal whiting		1.6		0.0	0.6	6.1	0.0	0.0	
Tribal									
Midwater Trawl		1.8		0.0	0.0	40.0	0.0	0.0	
Bottom Trawl		0.8		0.0	3.7	0.0	0.0	0.0	
Troll		0.5		0.0	0.0		0.0	0.0	
Fixed gear		0.3		0.0	0.0	0.0	2.3	2.3	
Limited Entry Fixed Gear									
Sablefish	13.4	0.5	0.1	0.6	0.2	0.0	1.0	1.0	
Non-Sablefish		0.4		0.5	0.4	0.5	1.3	1.3	
Open Access: Directed Groundfish									
Sablefish DTL	0.0	0.1	0.1	0.2	0.1	0.0	0.3	0.3	
OR Nearshore	0.0	2.0		0.0	0.0	0.1	2.3	2.3	
CA Nearshore	0.0			0.0	0.0				
Other	10.6	0.0		0.0	0.0	0.0	0.0	0.0	
Open Access: Incidental Groundfish									
CA Halibut	0.1	0.1		0.0	0.0				
CA Gillnet b/	0.5			0.0	0.0	0.0			
CA Sheephead b/				0.0	0.0	0.0	0.0	0.0	
CPS- wetfish b/	0.3								
CPS- squid c/									
Dungeness crab b/	0.0		0.0	0.0	0.0				
HMS b/		0.0	0.0	0.0					
Pacific Halibut b/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pink shrimp	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	
Ridgeback prawn	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Salmon troll	0.2	2.0	0.0	0.0	0.0	0.3	0.5	0.5	
Sea Cucumber	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Spot Prawn (trap)									
Recreational Groundfish d/									
WA		1.4					3.1	3.1	
OR		4.0				0.6	2.9	2.9	
CA	106.8	8.6	0.3			18.3	1.3	1.3	
Research: Includes NMFS trawl shelf-slope surveys, the IPHC halibut survey, and expected impacts from SRPs and LOAs.									
	3.0	3.0	0.1	3.8	3.6	3.0	3.0	3.0	
Non-EFP Total	185.6	41.1	3.5	202.5	100.0	191.4	18.3	18.3	
EFPs e/									
EFP Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	185.6	41.1	3.5	202.5	100.0	191.4	18.3	18.3	
High OY Alt	218	44.0	8.0	229	100	368	23	20	
Difference	32.4	2.9	4.5	26.6	0.0	176.6	4.7	1.7	
Percent of OY	85.1%	93.5%	43.8%	88.4%	100.0%	52.0%	79.7%	91.7%	
Key	= either not applicable; trace amount (<0.01 mt); or not reported in available data								

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